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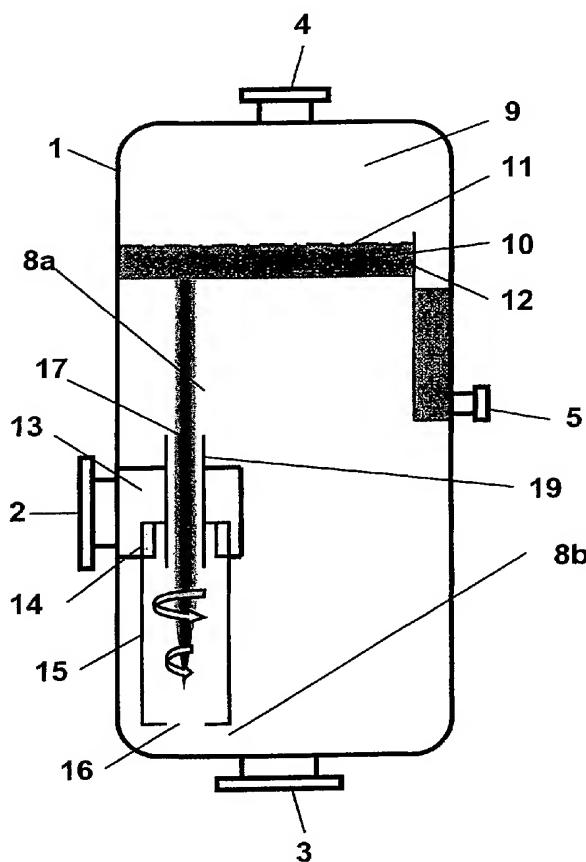
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(54) Title: FLOTATION SEPARATOR



(57) Abstract: A flotation separator for the separation of a dispersed liquid phase and/or suspended solid materials from a continuous liquid phase containing free gas including; an open or closed vessel (1) which is completely or partially liquid filled, is equipped with one or several inlet nozzles (2) feeding the inflowing mixture through one or several distribution chambers (13) toward one or several substantially vertically arranged cyclone pipes (15). Each cyclone pipe (15) is equipped with a swirl generating inlet device (14), a lower exit (16) where continuous liquid phase is exiting the cyclone pipe (15), and an upper exit (17) where gas, the dispersed liquid, and/or suspended solids, together with parts of the continuous liquid phase are exiting the cyclone pipe (15). The upper exit port (17) of the cyclone pipe or pipes (15) is completely or partially submerged in the continuous liquid phase.

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